

Converting Colors

$Yxy(46.6094, 0.3054, 0.3038)$

Have a look what the booklet for
Yxy(46.6094, 0.3054, 0.3038)
contains.

Yxy(46.6094, 0.3054, 0.3038)	3
Conversions	4
Details	6
Harmonies	12
Previews	24
Color Blindness Simulation	27
CSS Examples	30

Color

Yxy(46.6094, 0.3054, 0.3038)

Conversions

Conversions Part 1

Format	Color
Hex	BCB2C6
RGB	188, 178, 198
RGB Percent	74%, 70%, 78%
CMY	0.2627, 0.3020, 0.2235
CMYK	0.05, 0.10, 0.00, 0.22
HSL	270°, 15%, 74%
HSV	270°, 10%, 78%
XYZ	46.8549, 46.6094, 59.9571
YIQ	183.2700, -0.4600, 8.3400

Conversions

Conversions Part 2

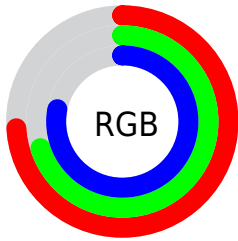
Format	Color
R_{YB}	188, 178, 198
Decimal	12366534
CIE Lab	73.94, 7.31, -8.86
CIE LCh	74, 11.488, 309.524
Yxy	46.6094, 0.3054, 0.3038
Android (android.graphics.Color)	4290556614 (0xFFBCB2C6)
YUV	183.2700, 7.2619, 4.1482
Hunter-Lab	68.2711, 3.0313, -4.2799

Details

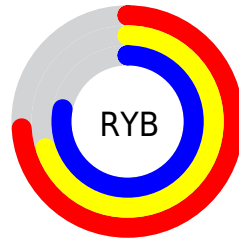
The Yxy color **46.6094, 0.3054, 0.3038** is a light color, and the websafe version is hex **CCCCCC**. A complement of this color would be **54.2971, 0.3195, 0.3542**, and the grayscale version is **47.4712, 0.3127, 0.3290**.

A 20% lighter version of the original color is **85.2987, 0.3064, 0.3083**, and **21.8317, 0.3037, 0.2966** is the 20% darker color. If you saturate the color by 10%, you get **38.0784, 0.2969, 0.2768**, and if you desaturate by 10%, it is **56.3678, 0.3126, 0.3288**.

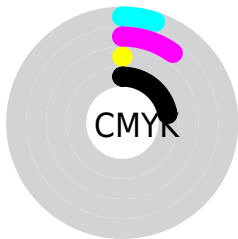
Distribution



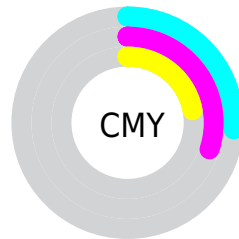
- Red (74%)
- Green (70%)
- Blue (78%)



- Red (74%)
- Yellow (70%)
- Blue (78%)



- Cyan (5%)
- Magenta (10%)
- Yellow (0%)
- Black (22%)



- Cyan (26%)
- Magenta (30%)
- Yellow (22%)

Brightness & Saturation Gradients

These gradients show how the Yxy color 46.6094, 0.3054, 0.3038 changes by changing the brightness by 10 percent. The first figure shows a shift by +10% for each color and the second figure -10%.

Similar to the brightness gradients but the following saturation gradients show a change of the Yxy color 46.6094, 0.3054, 0.3038 by changing the saturation by 10% instead.

■ 46.6094, 0.3054,
0.3038

■ 46.6094, 0.3054,
0.3038

373.2532, 0.3091,
0.3162

■ 32.7270, 0.3044,
0.3008

■ 85.1303, 0.3068,
0.3083

■ 21.9174, 0.3032,
0.2969

110.5375, 0.3073,
0.3100

■ 13.7962, 0.3016,
0.2918

140.5552, 0.3077,
0.3114

■ 7.9791, 0.2992,
0.2848

175.5676, 0.3081,
0.3126

■ 4.0815, 0.2956,
0.2745

215.9593, 0.3084,
0.3137

■ 1.7193, 0.2895,
0.2582

262.1145, 0.3087,

■ 0.4361, 0.2785,

0.3146

0.2048

314.4177, 0.3089,
0.3155

0.0000, 0.0000,
0.0000

46.6094, 0.3054,
0.3038

46.6094, 0.3054,
0.3038

38.0784, 0.2969,
0.2768

56.3678, 0.3126,
0.3288

30.7187, 0.2872,
0.2482

67.3949, 0.3188,
0.3515

24.4785, 0.2762,
0.2187

79.7374, 0.3239,
0.3721

19.2997, 0.2641,
0.1893

92.0237, 0.3284,
0.3884

15.1189, 0.2512,
0.1612

93.6845, 0.3349,
0.3872

■ 11.8655, 0.2380,
0.1360

■ 95.4394, 0.3415,
0.3860

■ 9.4595, 0.2250,
0.1150

■ 96.8576, 0.3466,
0.3850

■ 7.8063, 0.2128,
0.0993

■ 6.7344, 0.2019,
0.0886

Harmonies

Analogous

The Analogous color harmony consists of three colors that are next to each other on the color wheel.



46.6094, 0.2914, 0.3021



46.6094, 0.3054, 0.3038



46.6094, 0.3217, 0.3118

Triad

The Triadic color harmony groups three colors that are evenly spaced from another and form a triangle on the color wheel.



46.6094, 0.3054, 0.3038



46.6094, 0.3430, 0.3499



46.6094, 0.2900, 0.3335

Complementary

The Complementary color scheme is a pair of colors which are on the opposite of each other on the color wheel.



46.6094, 0.3054, 0.3038



54.2971, 0.3195, 0.3542

Split Complementary

Split-complementary colors differ from the complementary color scheme. The scheme consists of three colors, the original color and two neighbors of the complement color.



46.6094, 0.3033, 0.3472



46.6094, 0.3054, 0.3038



46.6094, 0.3340, 0.3567

Square

The Square scheme is like the rectangle color scheme, but the four colors are evenly spaced on the color wheel.



46.6094, 0.3054, 0.3038



46.6094, 0.3437, 0.3379



46.6094, 0.3194, 0.3558



46.6094, 0.2827, 0.3188

Rectangle

The Rectangle color scheme consists of four colors that form a rectangle on the color wheel.



46.6094, 0.3054, 0.3038



46.6094, 0.3316, 0.3197



46.6094, 0.3194, 0.3558



46.6094, 0.2939, 0.3384

Sweetspot

The Sweet Spot groups the original color and five complimentary colors.



46.6114, 0.3054, 0.3038



94.4980, 0.3106, 0.3216



49.5108, 0.2972, 0.3162



19.9192, 0.3101, 0.3196



0.0000, 0.0000, 0.0000



21.4041, 0.3127, 0.3290

Same Dimension

The Same Dimension uses a secret algorithm to generate beautiful new colors.



46.6114, 0.3054, 0.3038



79.2213, 0.3037, 0.2984



47.9254, 0.3139, 0.3045



10.5438, 0.3060, 0.3057



4.4300, 0.2033, 0.0894



0.2528, 0.2263, 0.1020

Inverse Universe

The Inverse Universe completely reimagines the original color for something new.



47.4786, 0.3220, 0.3166



81.0594, 0.3241, 0.3140



53.0711, 0.3115, 0.3548



10.7239, 0.3213, 0.3175



8.4099, 0.4941, 0.2496



0.4128, 0.4485, 0.2244

Previews

White Background



This preview shows how the Yxy color 46.6094, 0.3054, 0.3038 looks on a white background.

Color Contrast Check

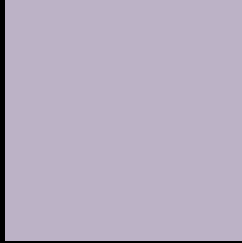
Large Text (above 18pt) WCAG AA × Fail

Any Text WCAG AA × Fail

Large Text (above 18pt) WCAG AAA × Fail

Any Text WCAG AAA × Fail

Black Background



This preview shows how the Yxy color 46.6094, 0.3054, 0.3038 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

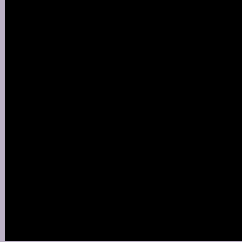
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA ✓ Pass

If you want to check with other color combinations, try the [Color Contrast Checker](#).

Yxy 46.6094, 0.3054, 0.3038

Background



This preview shows how black text looks on a background with the Yxy color 46.6094, 0.3054, 0.3038.



This preview shows how white text looks on a background with the Yxy color 46.6094, 0.3054, 0.3038.

Color Blindness Simulation

Color vision deficiency is a very complex topic, and I could not describe the different causes any better than Wikipedia does, so if you want to learn more, you should check out their [article about color blindness](#).

Dichromacy



Original Color

46.6094, 0.3054, 0.3038

Protanopia

46.9212, 0.2973, 0.3047

Deuteranopia

46.7280, 0.3088, 0.3028



Tritanopia

46.6553, 0.3084, 0.3112

Trichromacy



Original Color

46.6094, 0.3054, 0.3038

Protanomaly

46.8333, 0.3004, 0.3048

Deuteranomaly

46.5979, 0.3080, 0.3027

Tritanomaly

46.7451, 0.3069, 0.3087

Monochromacy



Original Color

46.6094, 0.3054, 0.3038

Achromatopsia

47.3531, 0.3127, 0.3290

Achromatomaly

46.9929, 0.3106, 0.3200

CSS Examples

Text

The CSS property to change the color of the text to Yxy 46.6094, 0.3054, 0.3038 is called "color". The color property can be set on classes, ids or directly on the HTML element.

This example shows how text in the color `rgb(188, 178, 198)` looks like.

```
.text, #text, p{  
    color:rgb(188, 178, 198)  
}
```

If you want to add a text shadow in that color use the text-shadow property, you can generate a text shadow directly with our [CSS Text Shadow Generator](#).

Here you see how black text with a 4 pixel rgb(188, 178, 198) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(188, 178, 198) }
```

Border

The CSS property to change the border of an element to Yxy 46.6094, 0.3054, 0.3038 is called "border". The border property can be set on classes, ids or directly on the HTML element.

This example shows the color as border, it can be applied via the CSS property "border" or "border-color".

```
.border, #border, table{ border:4px solid rgb(188, 178, 198) }
```

If only the border color should be changed use the property `border-color`.

```
.border{ border-color:rgb(188, 178, 198) }
```

If you want to add a box shadow in that color use:

Here you see how a box with a 4 pixel `rgb(188, 178, 198)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(188, 178, 198); -webkit-box-  
shadow:4px 4px 4px 4px rgb(188, 178, 198);  
box-shadow:4px 4px 4px 4px rgb(188, 178,  
198) }
```


Background

The CSS property to change the background color of an element to Yxy 46.6094, 0.3054, 0.3038 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(188, 178, 198) }
```

If only the background color should be changed can be used:

```
.background{ background-color: rgb(188,  
178, 198) }
```

This example shows the color as background, it is applied via the CSS property "background".

To optimize and compress your CSS code, you can use our [online CSS compressor and optimizer](#) based on csstidy. If you want to create a linear or radial gradient as background or border, check our [CSS Gradient Generator](#).

Hey! You found this booklet interesting? Support Converting Colors with the new Membership Option!

The pro membership hides all ads, plus gives you double the colors in the color bucket, and more awesome pro features!

[Learn more, Memberships starting at \\$2.50/m!](#)

**Follow me
on Twitter!**

@ConvertingColor